## An Ounce of Prevention: Communicating the Benefits and Risks of Vaccines to Parents

Sharon G. Humiston, MD, MPH
Department of Emergency Medicine
University of Rochester
School of Medicine and Dentistry

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#### Parents' perceptions

- Think too many immunizations may weaken children's immune system:
   25%
- Believe children get more immunizations than necessary:
   23%

Gellin BG et al. *Pediatrics*. 2000;106(5):1097-1102.

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#### Perceptions of drug companies

- What % of Americans believe that each of these are 'honest'?
  - -Tobacco companies
  - -Oil companies
  - -Used car sales companies
  - -Pharmaceutical companies

About 14% for all of these 3

	70% of Americans believe that pharmaceutical companies put profits ahead of patients.	
	Research America (Harris Interactive) 4	
	2003 NIS Parental Concerns Module	
	<ul> <li>&gt;2,000 parents of 19-35 mo olds interviewed at the end of 2003</li> <li>17% reported delaying ≥1 vaccine</li> <li>Which vaccine(s)? Among those who delayed: Vzv 38%, MMR 32%, DTaP 30%, Hib 18%, Hep B 13%</li> </ul>	
P	hill Smith, et al 5	
	Among parents who delayed • Reasons:  -Having an ill child 37%	
	<ul> <li>Vaccine safety concern 29%</li> <li>Sought info about their decision from a doctor/ Internet:</li> </ul>	

-Having an ill child 92%/ <1%

-Vaccine safety concern 72%/ 17%

#### Health care providers are still a top source of health information

- 87% of parents said health care provider was 1 of top 3 sources of health information
- Best predictor of parents asking ?s was their rating of adequacy of physicians' responses to previously asked?s

Am J Health Behav 2005 Jan-Feb;29(1):81-92 Injury Prevention Vol 1, Issue 4 pages 223-227 7

#### Parents who felt they did not have access to enough info were more likely:

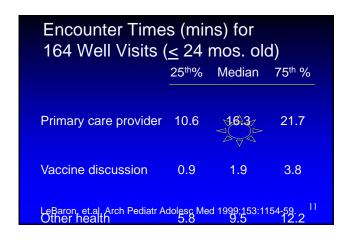
- To disagree that their child's main healthcare provider is easy to talk to
- To be less confident in the safety of childhood vaccines

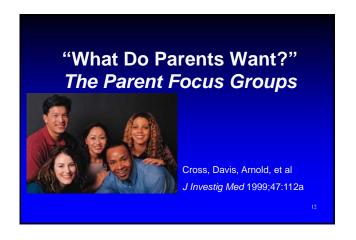
Am J Prev Medicine Vol 29, Issue 2, August 2005, p 105-112

#### Outline for this talk:

- 1. Communicating in offices about vaccines - some of the evidence
- 2. Exercise developing "scripts"
- 3. Tips on communication
- 4. What every parent needs to know
- 5. Tools

# Communicating With Parents in the Office





#### Summary of 14 parent groups-6 cities

- Wanted primary provider to personally tell them risk & benefits of each vaccine
- Wanted providers to respect that "my child is the most important thing to me"
- Wanted risk info as a matter of respect
- Preferred easy, to-the-point info
- Requested verbal and written info

#### Questions parents want answered

- What vaccines will my child have?
- Why so many?
- What diseases do they prevent?
- What are the common, mild side effects, and how do I manage them?
- What are the severe risks? (brief)
- What is the overall schedule and when is the next vaccine?

What Is Happening in Offices?

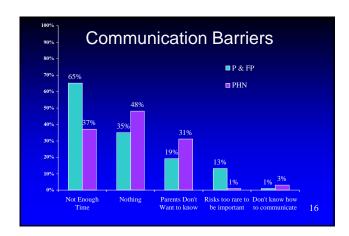
The Mailed Survey to

Health Care Professionals



Davis, Fredrickson, Arnold, et al *Pediatrics*. 2001;2(107);e17a

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Verbal Communica	tion	
	P & FP	PHN
Immunization Schedule	74%	80%
Common Side Effects	72%	82%
Health Benefits	62%	67%
Severe Side Effects	61%	69%
Contraindications	47%	75%
NVICP	11%	21%
		17

Written Materials for Parents				
	VIS	<u>None</u>		
Pediatrics	69%	5%		
Family Practice	72%	9%		
Public Health Nurses	95%	1%		
		18		

## How Can We Improve Vaccine Communication in the Office? The Pilot Study Davis, Fredrickson, Bocchini, et al Ambulatory Pediatrics 2002;2:193-2000

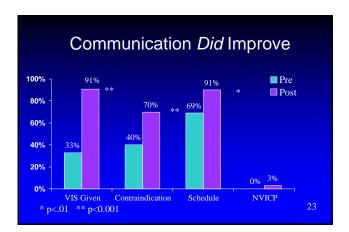
#### Methods

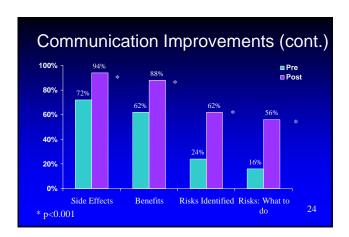
- 2 pediatric practices in Shreveport, LA
- Summer 2000
- 208 well-baby visits observed
  - -130 pre-intervention
  - -78 post-intervention

#### The Intervention

- Office in-service by local leader
- Materials:
  - -Exam room poster inviting parent questions
  - -Information handout for providers
  - -Pre-immz booklet for parents







### How much more MD time did it take? Mean Range 0-6.25 min Pre 36 sec 56 sec\* 0--4.5 min Post \* p<0.03 Exercise: Developing "scripts" Read the hand out Write 1-3 sentences that capture the important essence (what you would say to a parent) • I'll ask for volunteers to read theirs aloud in 5 minutes

#### Outline

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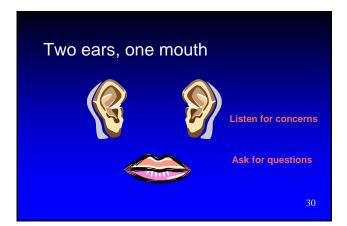
#### Whole Brain Teaching

- Emphasis on active learning -learner makes connections that tap both hemispheres
- Managing the emotional climate -to reduce "primal thinking" that occurs during distress
- Images are basis for comprehension

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#### Systems Approach to Communication

- Written materials
  - Provide VIS before vaccines are administered (see <a href="https://www.immunize.org">www.immunize.org</a>)
  - Use booklets & contraindication screening sheets to streamline communication
- Verbal messages: Up-to-date and succinct
- Teamwork
  - Agree on specific vaccine communication tasks for receptionist, nurse, physician
  - ->1 person asks for parents' questions

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#### Whole Brain Teaching

- Emphasis on active learning -learner makes connections that tap both hemispheres
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### 90% of parents were classified into 1-of-4 distinct parent groups:

- 1. "Vaccine Believer"- convinced of the benefit of vaccination
- 2. "Cautious" high emotional investment in their child
- 3. "Relaxed" less involved parenting style, some skepticism about vaccines
- 4. "Unconvinced" distrust of vaccinations and vaccination policy

Vaccine. 2005 Mar 31;23(19):2486-93.

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#### Good communication

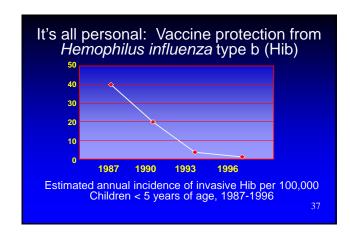
(This takes energy that I don't expend every day)

- Listening with curiosity and non-judgmental attitude
- Putting aside our motivation to seem smart, "be right", "win"
- Matching what the family needs

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#### Whole Brain Teaching

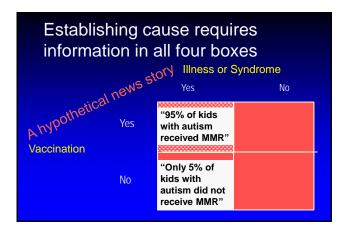
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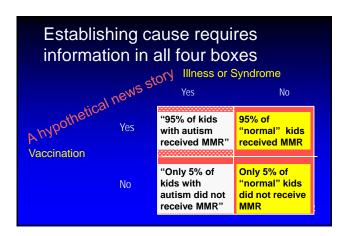




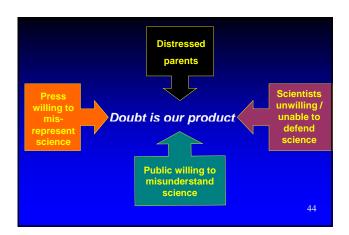
Discussion:	
What do you think are key tips t good communication?	0
	39

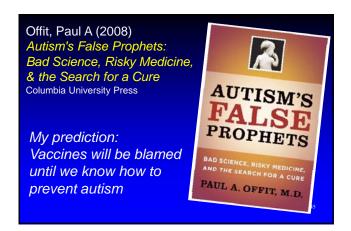
## What every parent needs to know • Waiting is a conscious choice to stay vulnerable to disease • A little epidemiology













## CDC National Center for Immunization & Respiratory Diseases

- Call the hotline at 800-232-4636 (800-CDC-INFO)
- Email questions to <a href="mailto:nipinfo@cdc.gov">nipinfo@cdc.gov</a>
- See <a href="http://www.cdc.gov/vaccines/">http://www.cdc.gov/vaccines/</a>



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- <a href="http://www.cdc.gov/vaccines/pubs/pinkbook/default">http://www.cdc.gov/vaccines/pubs/pinkbook/default</a>
- •To download go to http://www.cdc.gov/vaccines/pubs/pinkbook/ default.htm#download
- •To order go to http://bookstore.phf.org/product\_info.php?pr oducts\_id=552

#### **NGO Immunization Websites**

- Allied Vaccine Group <u>www.vaccine.org</u>
  - -Immunization Action Coalition (IAC)
  - Vaccine Education Center of Children's Hospital of Philadelphia (CHOP)
  - -National Network for Immz. Information (NNii)
  - American Academy of Pediatrics (AAP)
- Vaccine Safety Institute <u>www.vaccinesafety.edu</u>

